

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN031220\
 Data File : VN060472.D
 Acq On : 12 Mar 2020 12:32
 Operator : JC/MD
 Sample : L1797-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30-FEET

Quant Time: Mar 13 02:03:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022720W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 27 13:52:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	200360	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334476	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	311571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	144012	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.00	65	131595	51.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.38%	
35) Dibromofluoromethane	7.57	113	98702	63.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.16%	
50) Toluene-d8	10.08	98	410906	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
62) 4-Bromofluorobenzene	12.40	95	154067	51.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.44%	

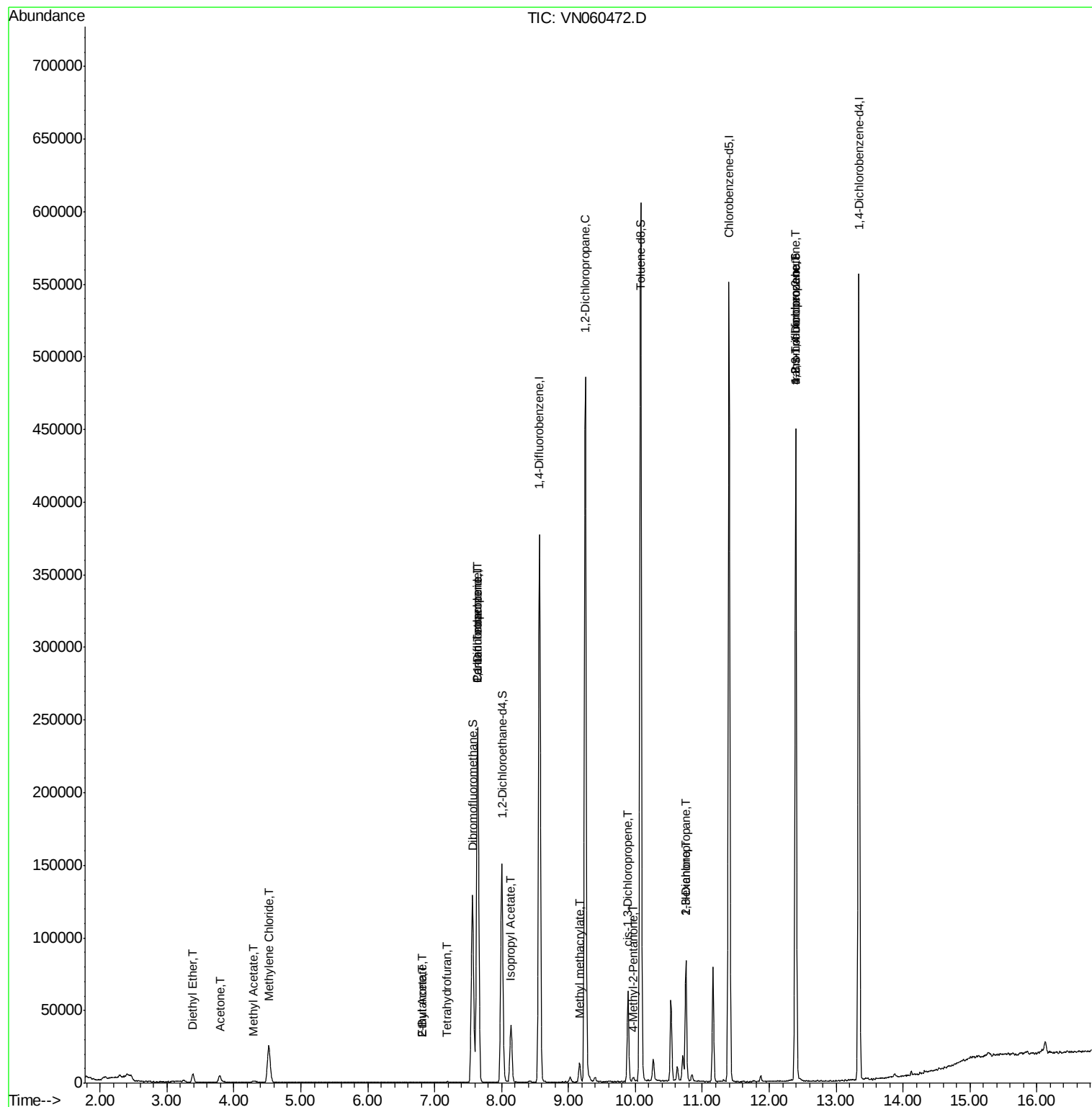
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.39	74	2852	2.16	ug/l	99
16) Acetone	3.79	43	8051	9.70	ug/l	99
18) Methyl Acetate	4.30	43	1599	0.58	ug/l #	52
20) Methylene Chloride	4.52	84	18792	8.24	ug/l	98
25) 2-Butanone	6.81	43	982	0.73	ug/l #	49
29) Tetrahydrofuran	7.19	42	195	0.21	ug/l #	33
31) Cyclohexane	7.64	56	4277	Below Cal	#	1
36) 1,1-Dichloropropene	7.64	75	15567	4.88	ug/l #	49
37) Ethyl Acetate	6.81	43	982	0.33	ug/l #	68
38) Carbon Tetrachloride	7.64	117	18769	6.05	ug/l #	16
43) Isopropyl Acetate	8.14	43	47994	9.08	ug/l #	91
45) 1,2-Dichloropropane	9.25	63	595	0.25	ug/l #	44
48) Methyl methacrylate	9.16	41	2713	1.13	ug/l #	13
51) 4-Methyl-2-Pentanone	9.97	43	2379	0.79	ug/l #	83
54) cis-1,3-Dichloropropene	9.89	75	10925	2.69	ug/l #	62
57) 1,3-Dichloropropane	10.75	76	808	0.21	ug/l #	42
59) 2-Hexanone	10.75	43	13019	5.92	ug/l #	51
76) 1,2,3-Trichloropropane	12.40	75	77405	24.50	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	77405	67.63	ug/l #	8
87) 1,3-Dichlorobenzene	13.36	146	267	Below Cal	#	1
88) 1,4-Dichlorobenzene	13.36	146	267	Below Cal	#	1
95) Naphthalene	15.13	128	577	Below Cal	#	69
96) 1,2,3-Trichlorobenzene	15.31	180	135	Below Cal	#	12

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 27 13:52:50 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

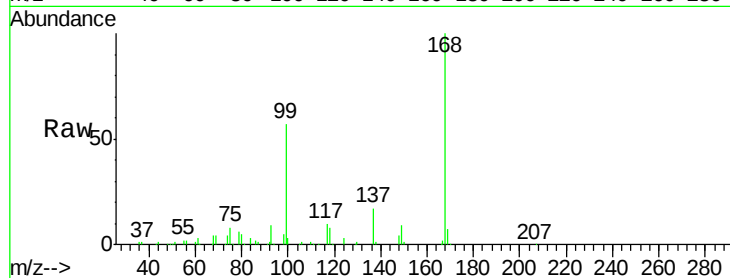
30-FEET

Tgt Ion:168 Resp: 200360

Ion Ratio Lower Upper

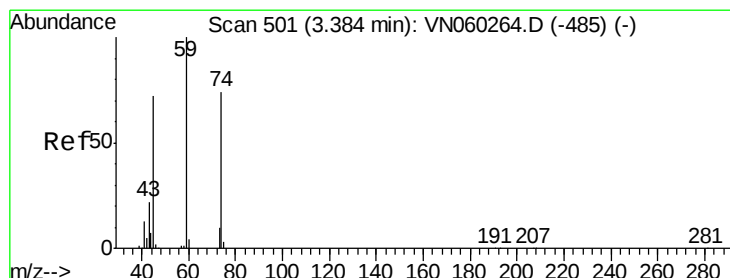
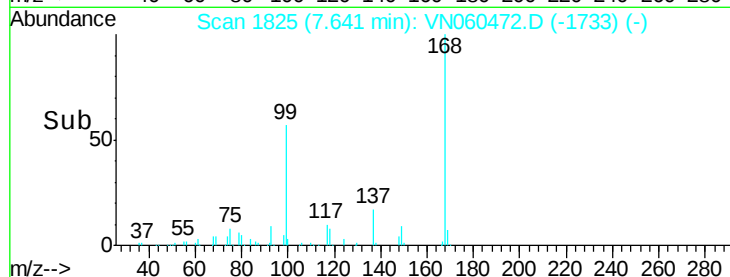
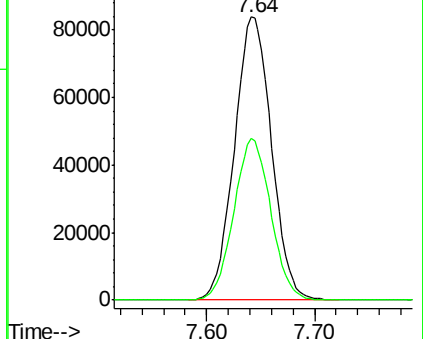
168 100

99 57.2 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#8

Diethyl Ether

Concen: 2.16 ug/l

RT: 3.39 min Scan# 502

Delta R.T. 0.00 min

Lab File: VN060472.D

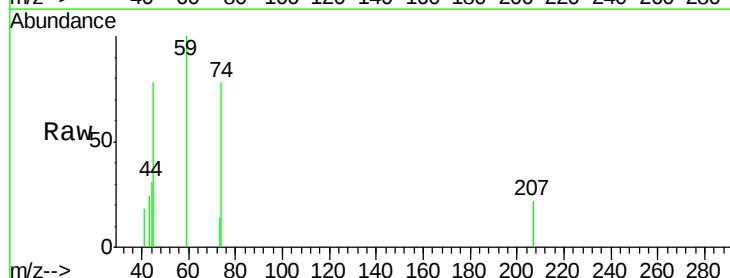
Acq: 12 Mar 2020 12:32

Tgt Ion: 74 Resp: 2852

Ion Ratio Lower Upper

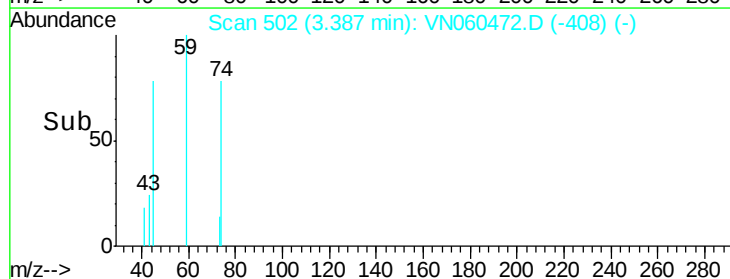
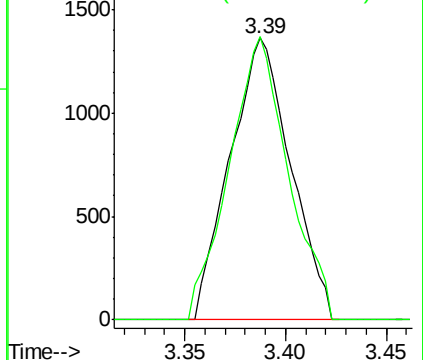
74 100

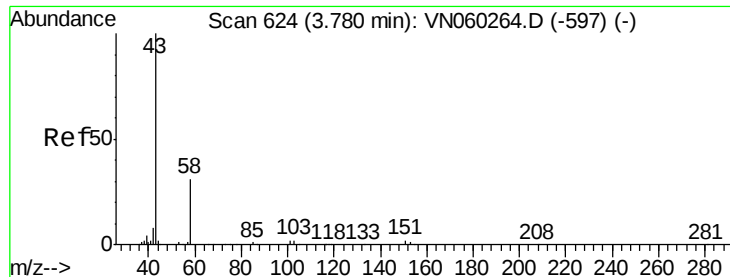
45 97.9 49.5 148.7



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0





#16

Acetone

Concen: 9.70 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.01 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

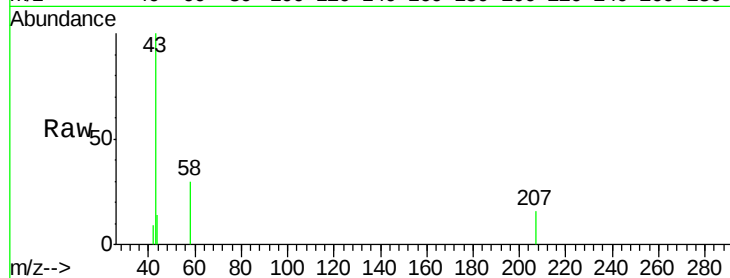
30-FEET

Tgt Ion: 43 Resp: 8051

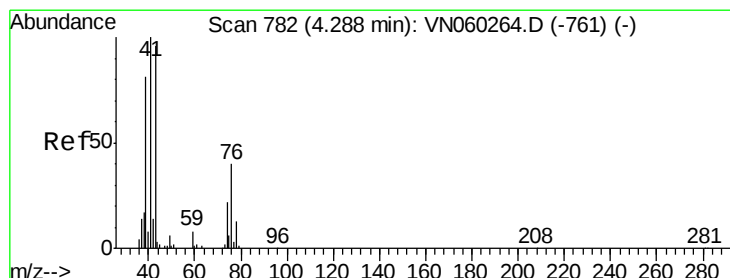
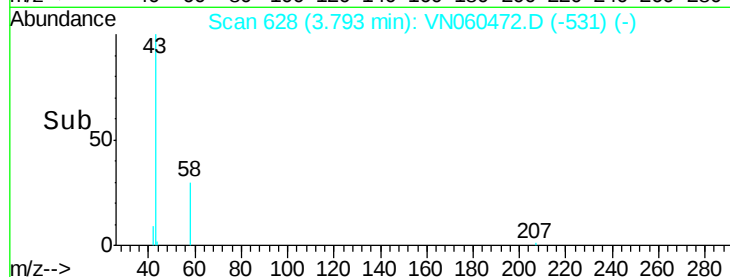
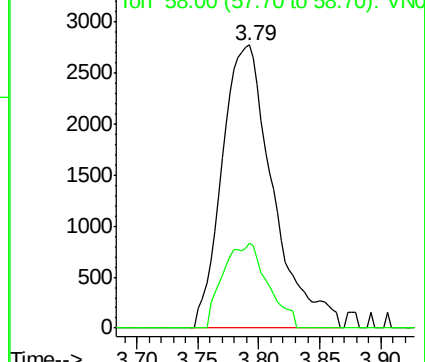
Ion Ratio Lower Upper

43 100

58 30.0 24.6 36.8



Abundance Ion 43.00 (42.70 to 43.70): VN060472.D (-628) (-)



#18

Methyl Acetate

Concen: 0.58 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.01 min

Lab File: VN060472.D

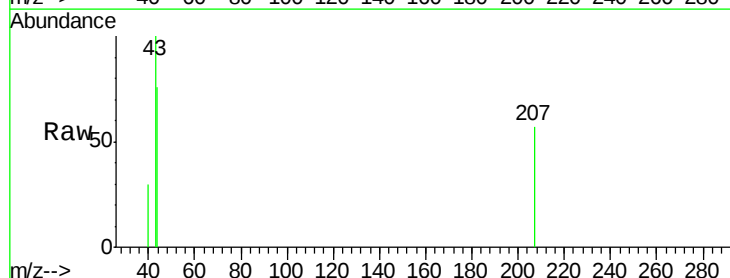
Acq: 12 Mar 2020 12:32

Tgt Ion: 43 Resp: 1599

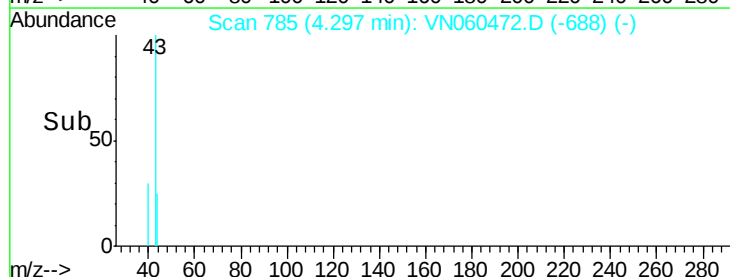
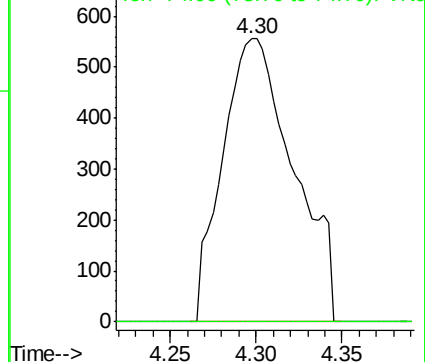
Ion Ratio Lower Upper

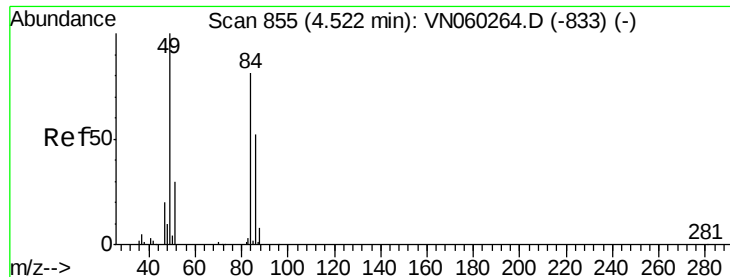
43 100

74 0.0 18.8 28.2#



Abundance Ion 43.00 (42.70 to 43.70): VN060472.D (-782) (-)

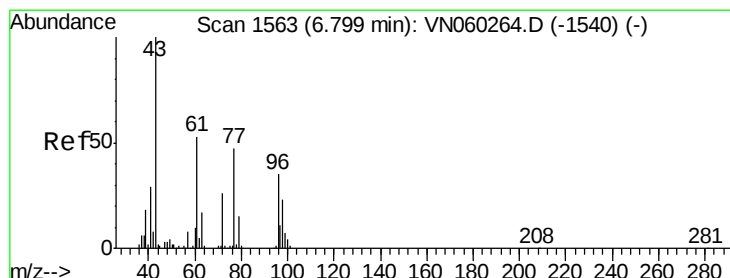
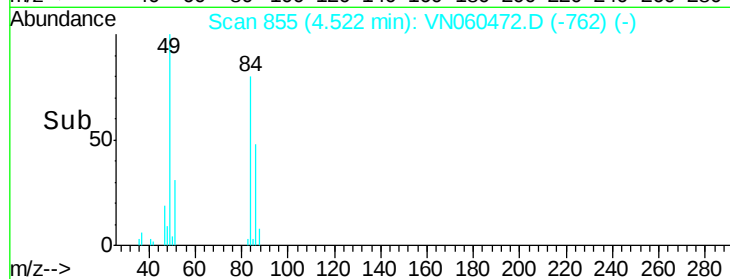
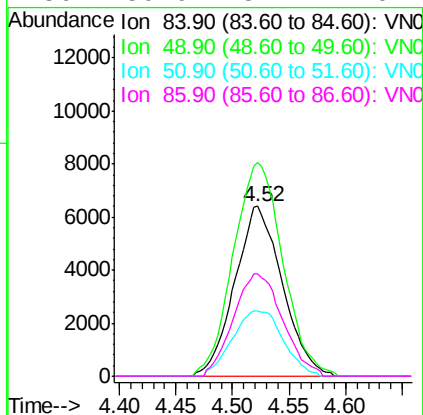
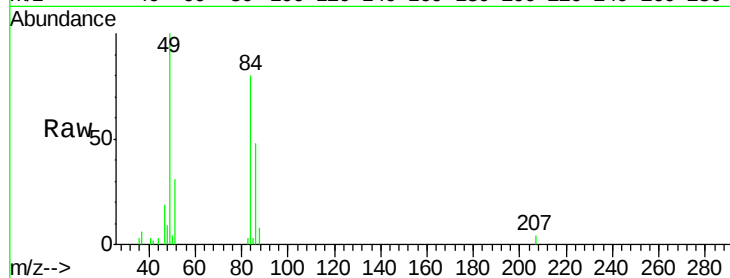




#20
Methylene Chloride
Concen: 8.24 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN060472.D
Acq: 12 Mar 2020 12:32

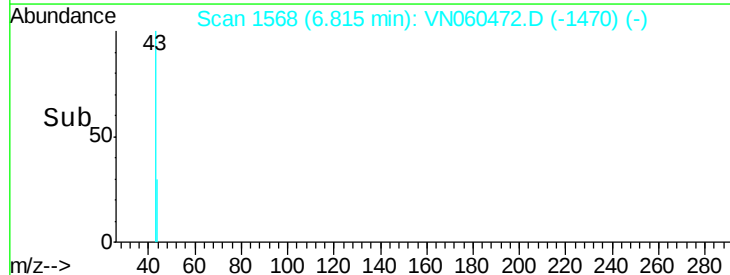
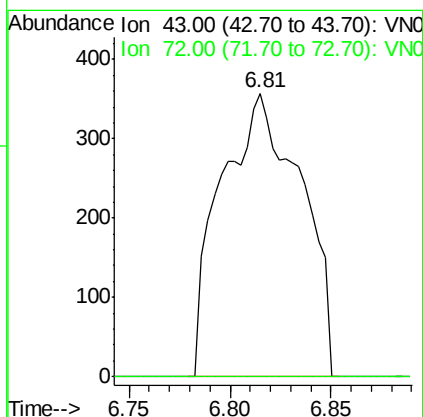
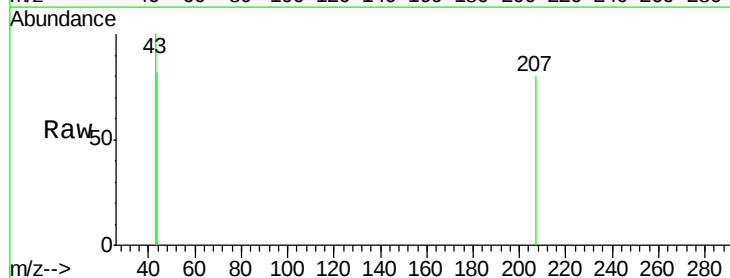
Instrument :
MSVOA_N
ClientSampleId :
30-FEET

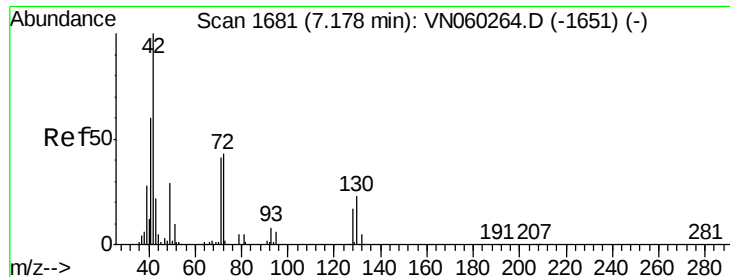
Tgt Ion:	84	Resp:	18792
Ion	Ratio	Lower	Upper
84	100		
49	125.6	99.3	148.9
51	38.7	30.1	45.1
86	59.9	51.1	76.7



#25
2-Butanone
Concen: 0.73 ug/l
RT: 6.81 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VN060472.D
Acq: 12 Mar 2020 12:32

Tgt Ion:	43	Resp:	982
Ion	Ratio	Lower	Upper
43	100		
72	0.0	20.9	31.3#





#29

Tetrahydrofuran

Concen: 0.21 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.01 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

30-FEET

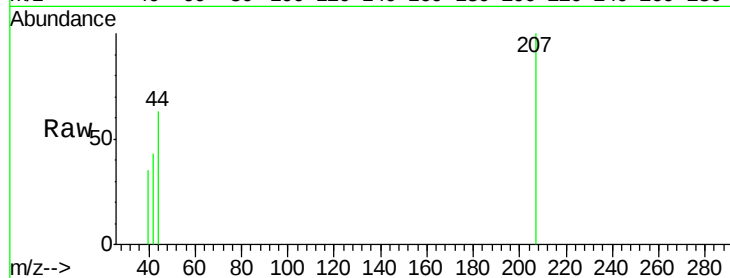
Tgt Ion: 42 Resp: 195

Ion Ratio Lower Upper

42 100

72 0.0 34.6 52.0#

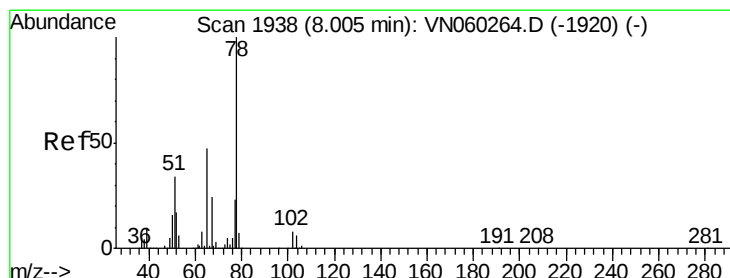
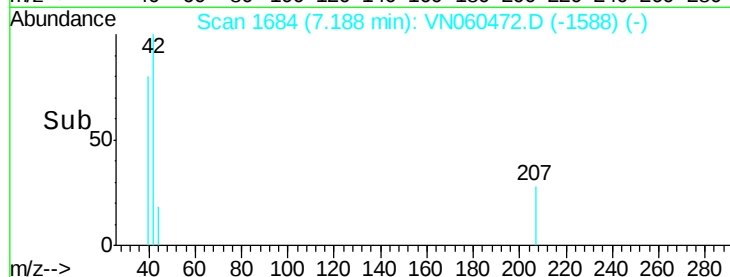
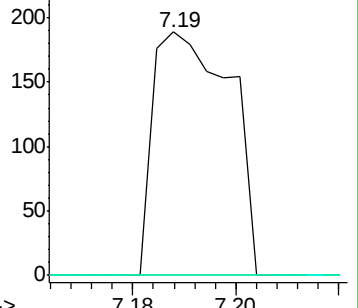
71 0.0 32.9 49.3#



Abundance Ion 42.00 (41.70 to 42.70): VN060264.D (-1651) (-)

Ion 72.00 (71.70 to 72.70): VN060264.D (-1651) (-)

Ion 71.00 (70.70 to 71.70): VN060264.D (-1651) (-)



#33

1,2-Dichloroethane-d4

Concen: 51.19 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN060472.D

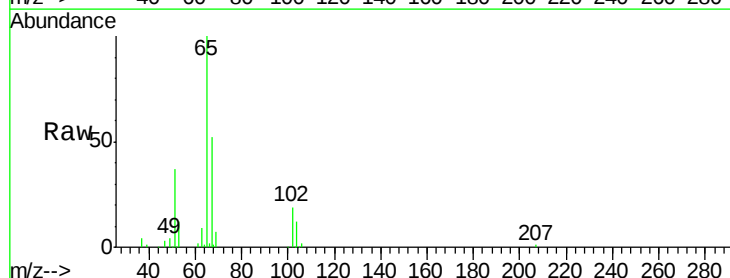
Acq: 12 Mar 2020 12:32

Tgt Ion: 65 Resp: 131595

Ion Ratio Lower Upper

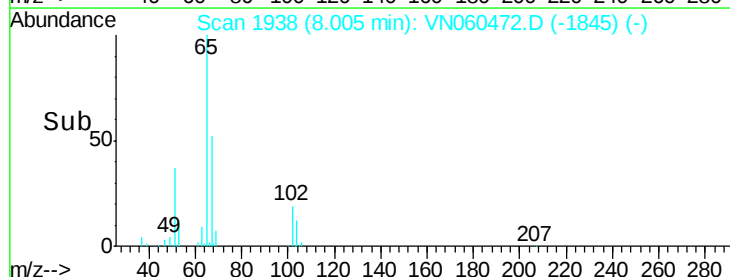
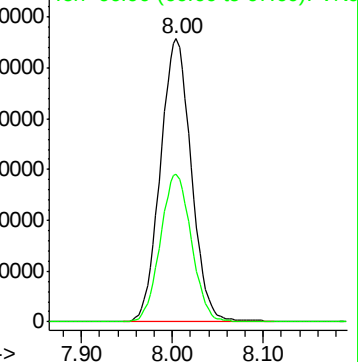
65 100

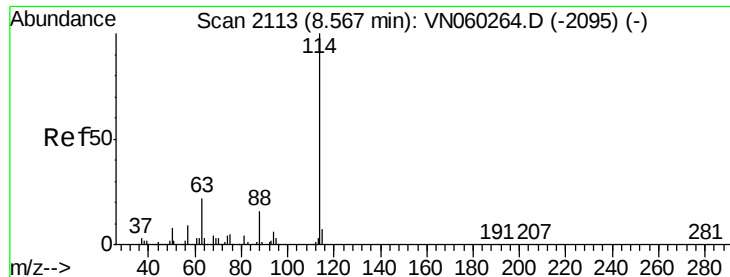
67 52.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN060264.D (-1920) (-)

Ion 66.90 (66.60 to 67.60): VN060264.D (-1920) (-)

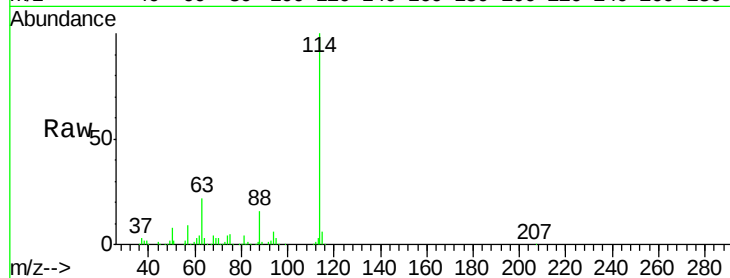




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060472.D
 Acq: 12 Mar 2020 12:32

Instrument :
 MSVOA_N
 ClientSampleId :
 30-FEET

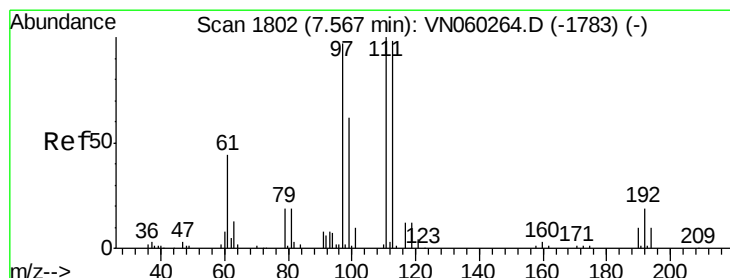
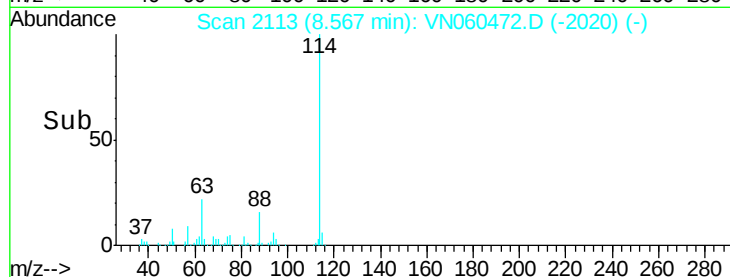
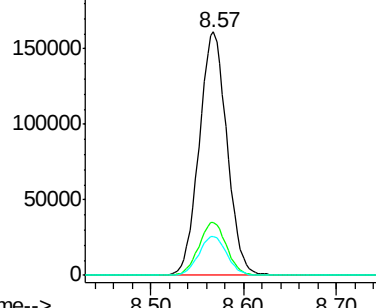
Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.2
88	16.1	0.0	31.6



Abundance Ion 113.90 (113.60 to 114.60): V

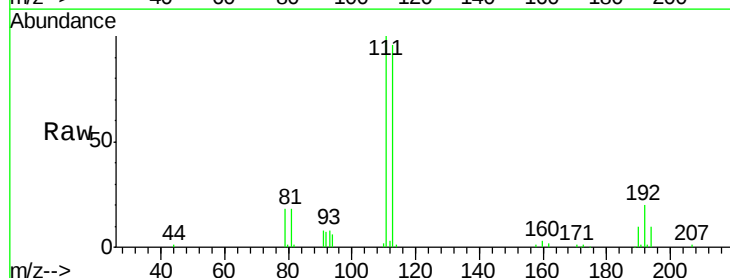
Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V



#35
 Dibromofluoromethane
 Concen: 63.58 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060472.D
 Acq: 12 Mar 2020 12:32

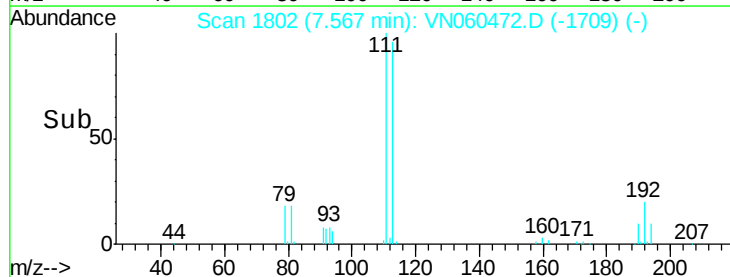
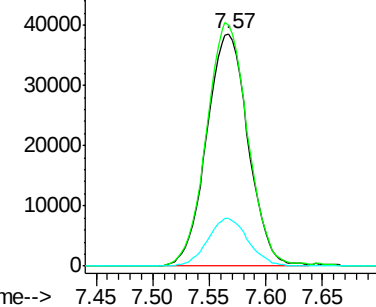
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.4	123.6
192	19.9	16.2	24.2

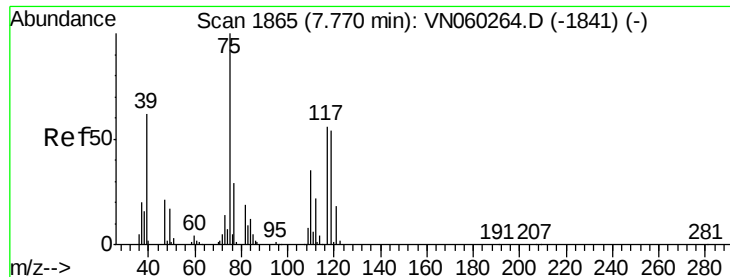


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.88 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.13 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

Instrument :

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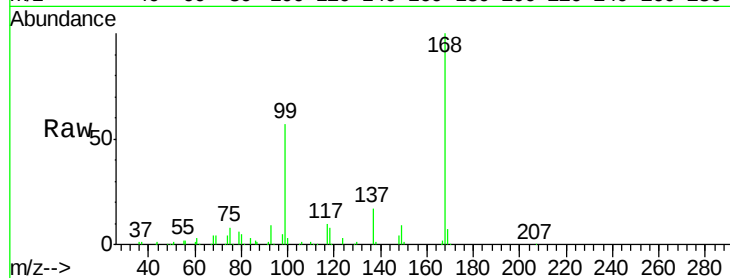
Tgt Ion: 75 Resp: 15567

Ion Ratio Lower Upper

75 100

110 7.9 17.3 52.0#

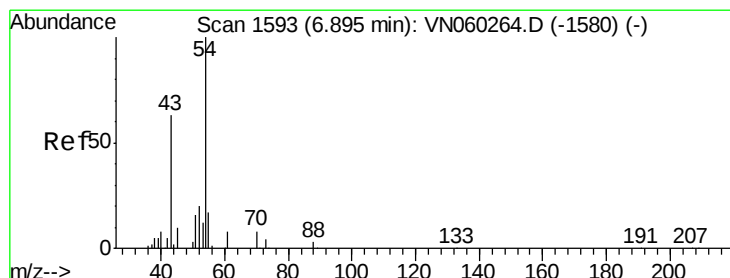
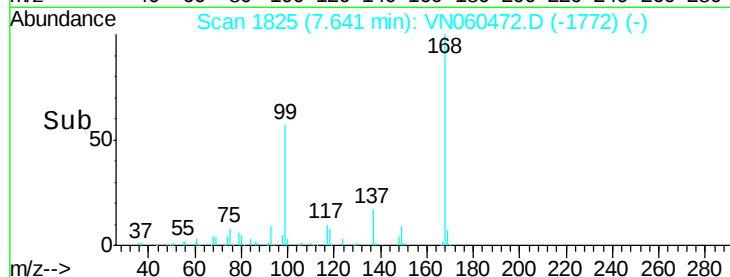
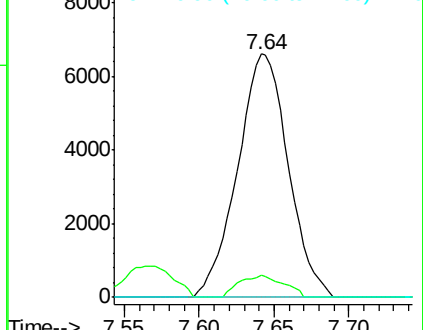
77 0.0 24.2 36.2#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 0.33 ug/l

RT: 6.81 min Scan# 1568

Delta R.T. -0.08 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

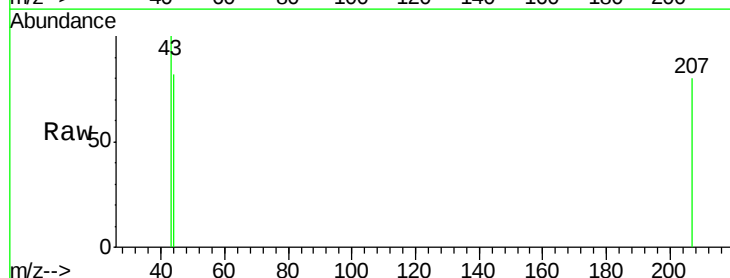
Tgt Ion: 43 Resp: 982

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

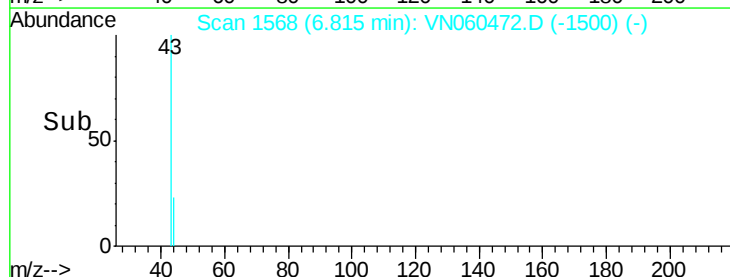
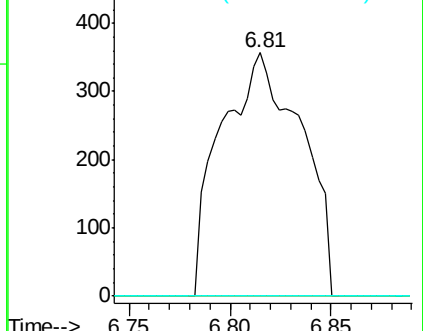
70 0.0 8.4 12.6#

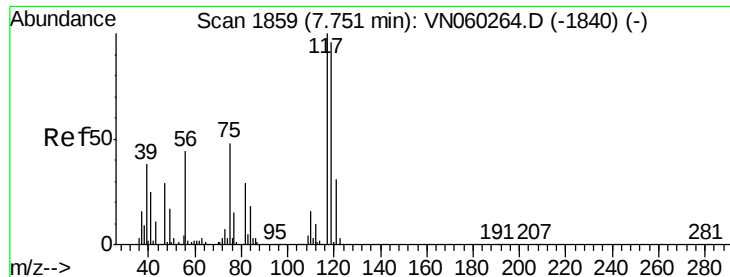


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0





#38

Carbon Tetrachloride

Concen: 6.05 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

30-FEET

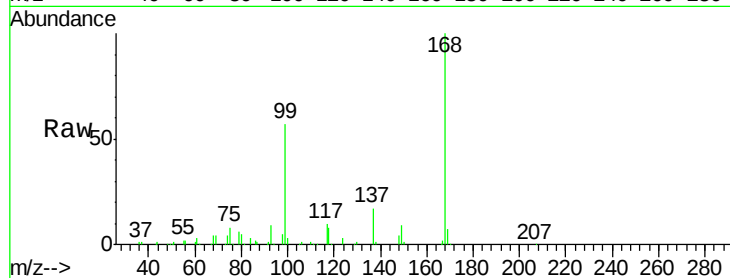
Tgt Ion:117 Resp: 18769

Ion Ratio Lower Upper

117 100

119 4.8 76.7 115.1#

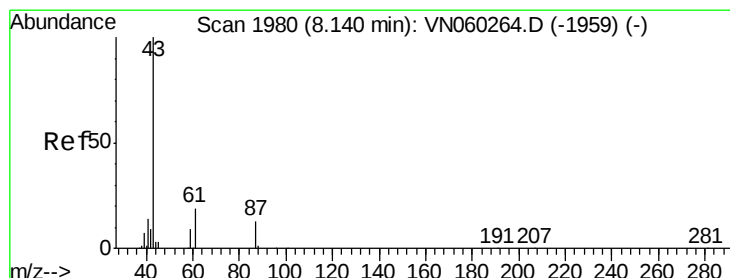
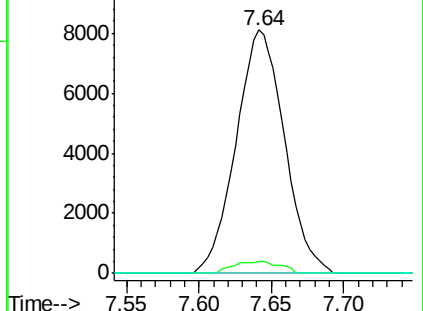
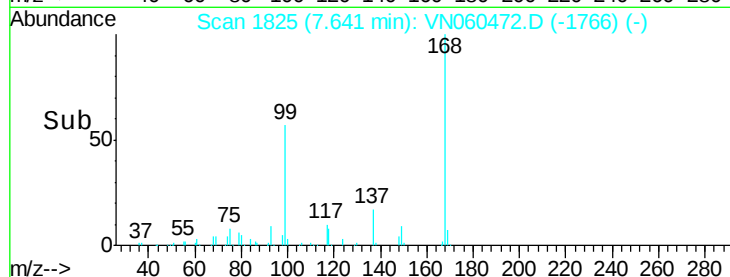
121 0.0 24.5 36.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 9.08 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

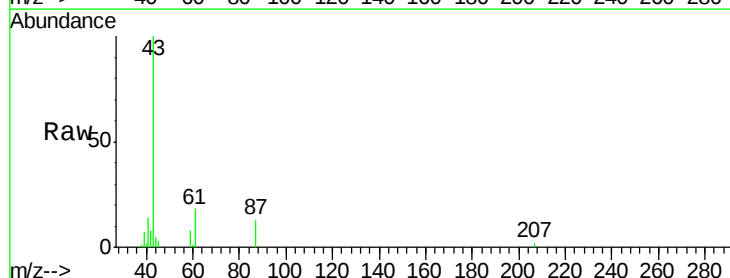
Tgt Ion: 43 Resp: 47994

Ion Ratio Lower Upper

43 100

61 19.4 20.9 31.3#

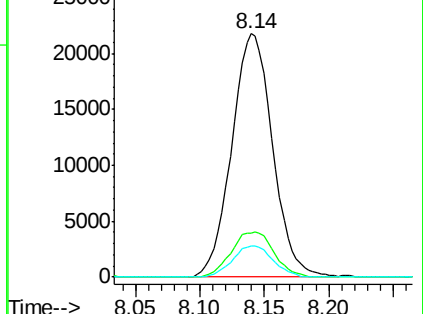
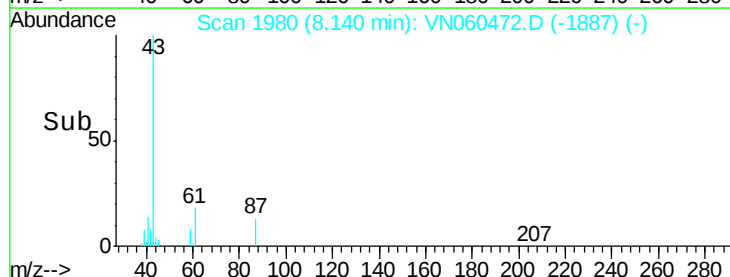
87 12.6 10.6 16.0

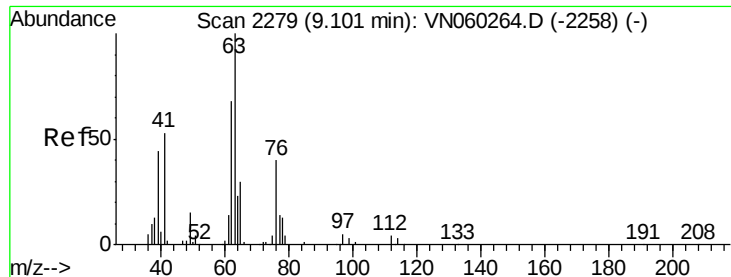


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#45

1,2-Dichloropropane

Concen: 0.25 ug/l

RT: 9.25 min Scan# 2324

Delta R.T. 0.14 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

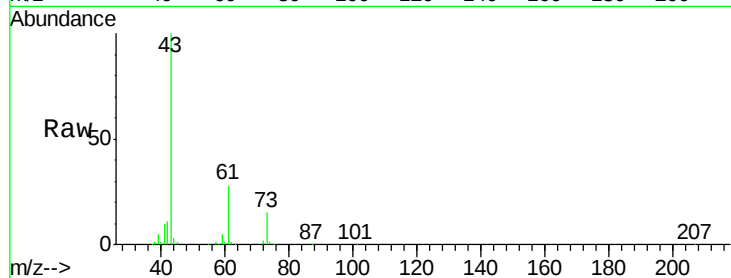
30-FEET

Tgt Ion: 63 Resp: 595

Ion Ratio Lower Upper

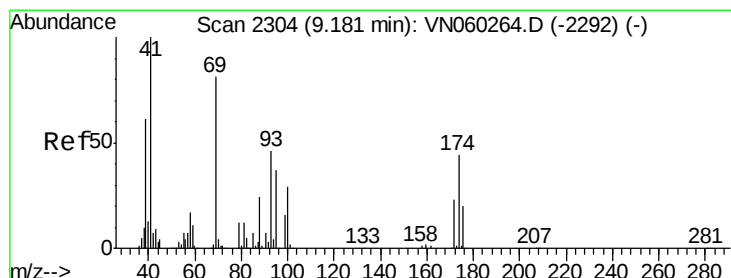
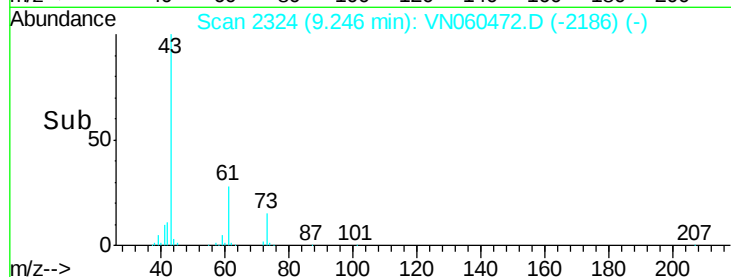
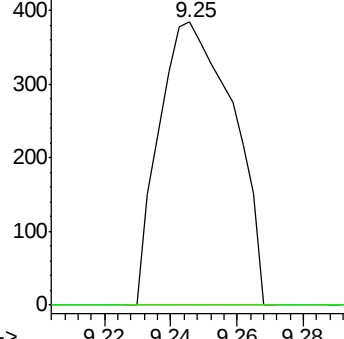
63 100

65 0.0 24.4 36.6#



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#48

Methyl methacrylate

Concen: 1.13 ug/l

RT: 9.16 min Scan# 2298

Delta R.T. -0.02 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

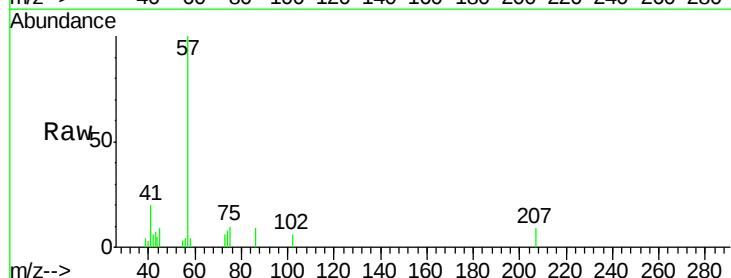
Tgt Ion: 41 Resp: 2713

Ion Ratio Lower Upper

41 100

69 0.0 66.7 100.1#

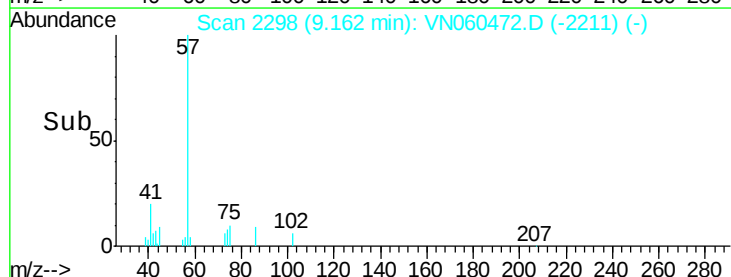
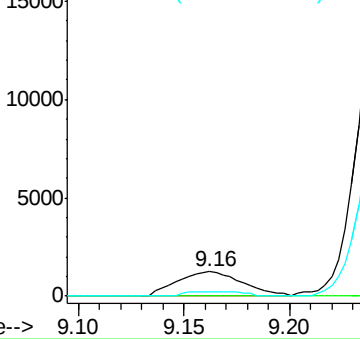
39 0.0 50.1 75.1#

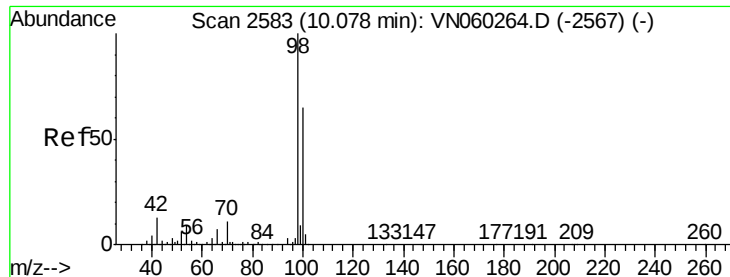


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: 52.29 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. 0.00 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

Instrument :

MSVOA_N

ClientSampled :

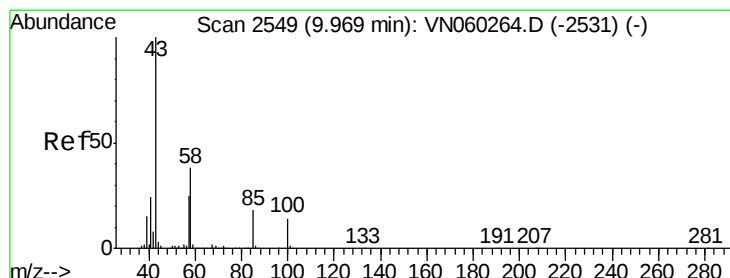
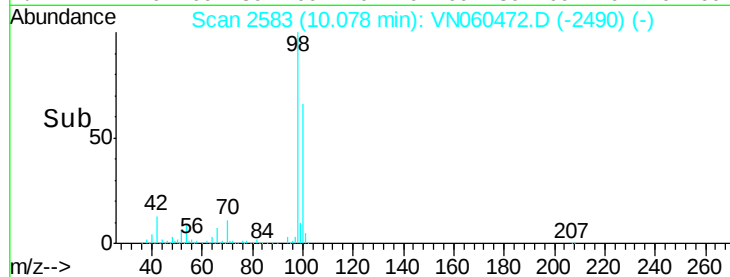
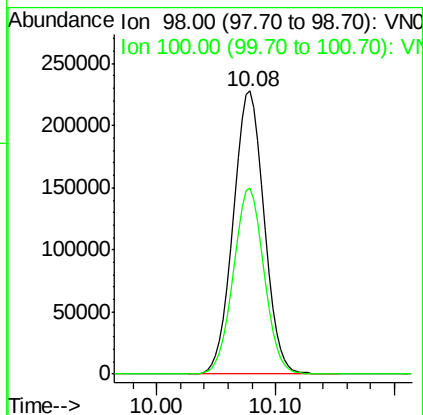
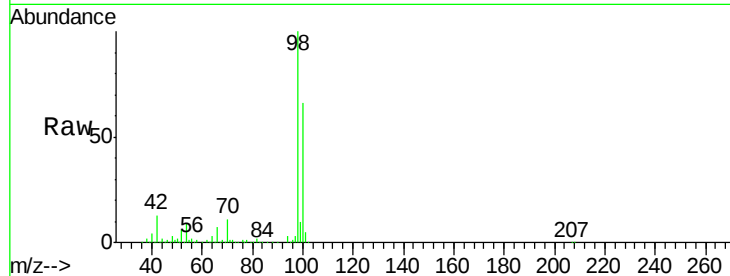
30-FEET

Tgt Ion: 98 Resp: 410906

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.79 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060472.D

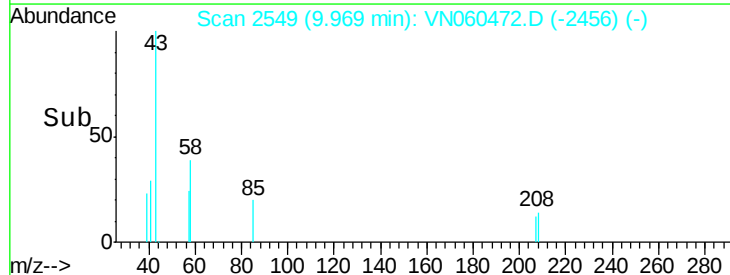
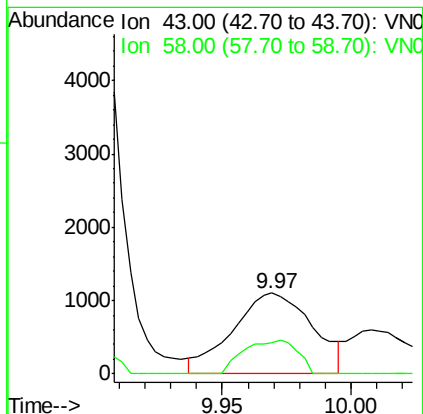
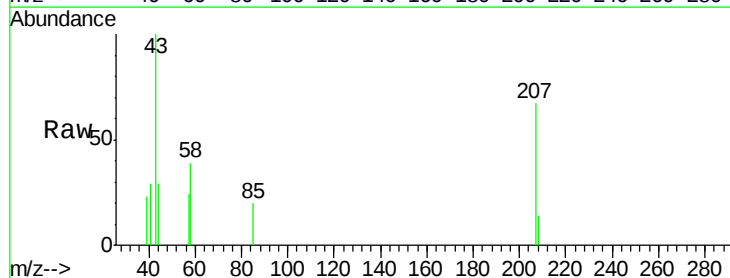
Acq: 12 Mar 2020 12:32

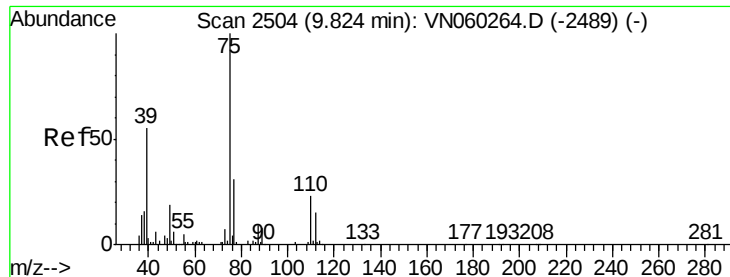
Tgt Ion: 43 Resp: 2379

Ion Ratio Lower Upper

43 100

58 28.1 30.9 46.3#





#54

cis-1,3-Dichloropropene

Concen: 2.69 ug/l

RT: 9.89 min Scan# 2524

Delta R.T. 0.06 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

30-FEET

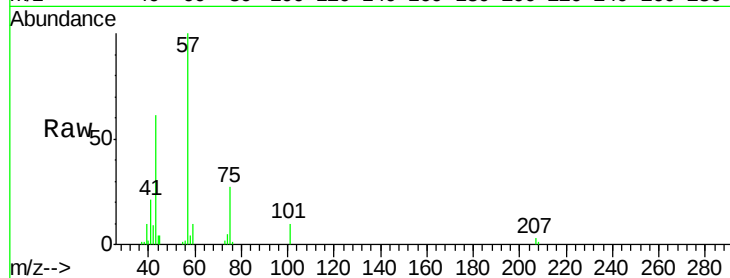
Tgt Ion: 75 Resp: 10925

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

39 35.2 43.8 65.8#

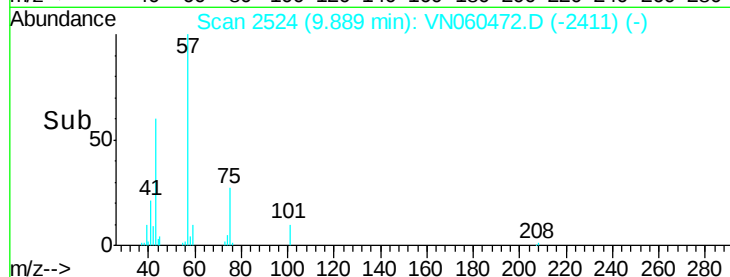


Abundance Ion 74.90 (74.60 to 75.60): VN060472.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060472.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060472.D (-2411) (-)

Time-->

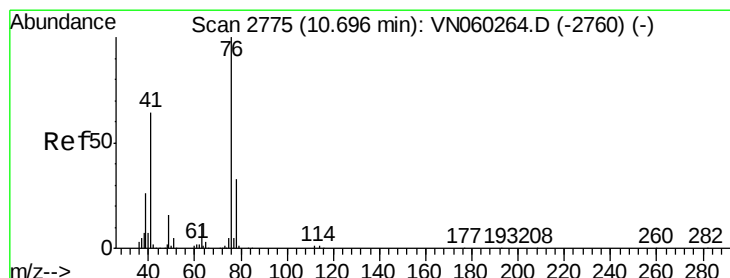


Abundance Ion 74.90 (74.60 to 75.60): VN060472.D (-2411) (-)

Ion 76.90 (76.60 to 77.60): VN060472.D (-2411) (-)

Ion 39.00 (38.70 to 39.70): VN060472.D (-2411) (-)

Time-->



#57

1,3-Dichloropropane

Concen: 0.21 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.06 min

Lab File: VN060472.D

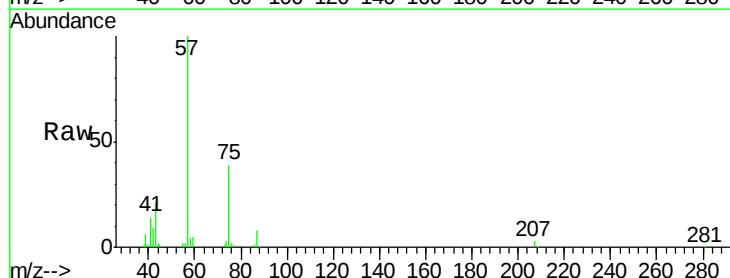
Acq: 12 Mar 2020 12:32

Tgt Ion: 76 Resp: 808

Ion Ratio Lower Upper

76 100

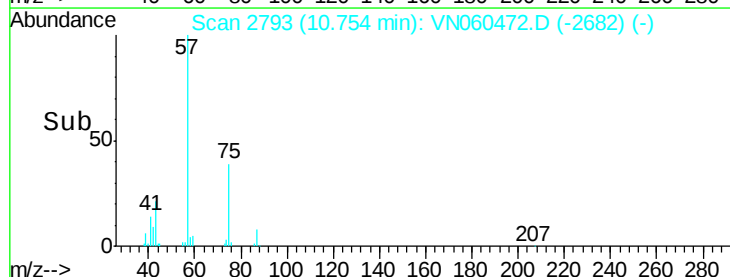
78 0.0 26.2 39.2#



Abundance Ion 75.90 (75.60 to 76.60): VN060472.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060472.D (-2682) (-)

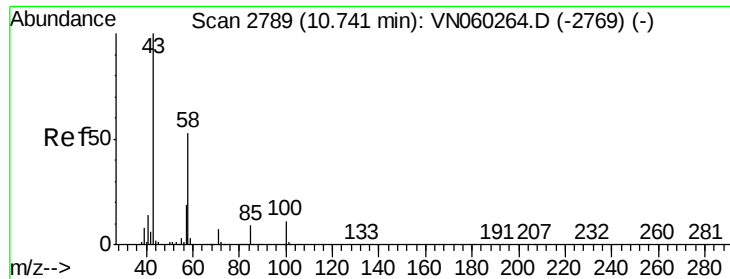
Time-->



Abundance Ion 75.90 (75.60 to 76.60): VN060472.D (-2682) (-)

Ion 77.90 (77.60 to 78.60): VN060472.D (-2682) (-)

Time-->



#59

2-Hexanone

Concen: 5.92 ug/l

RT: 10.75 min Scan# 2793

Delta R.T. 0.01 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

Instrument :

MSVOA_N

ClientSampleId :

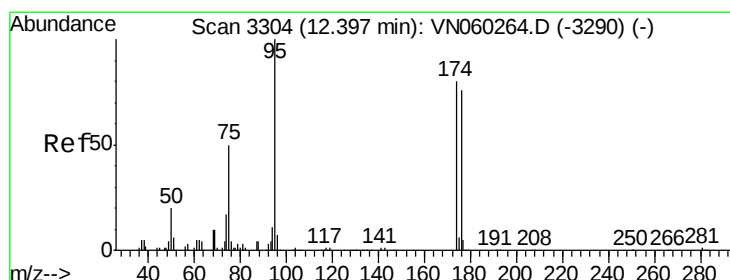
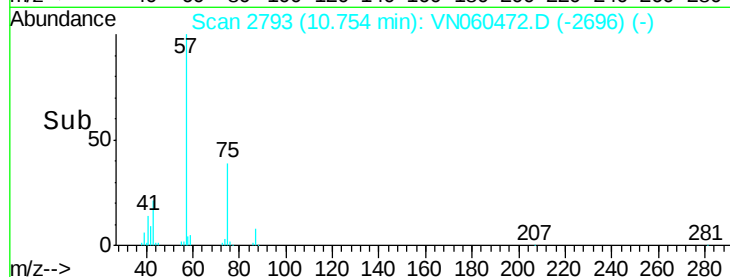
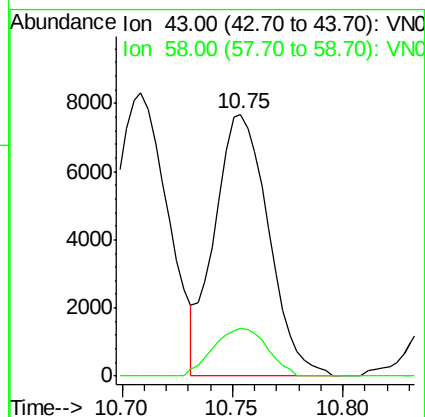
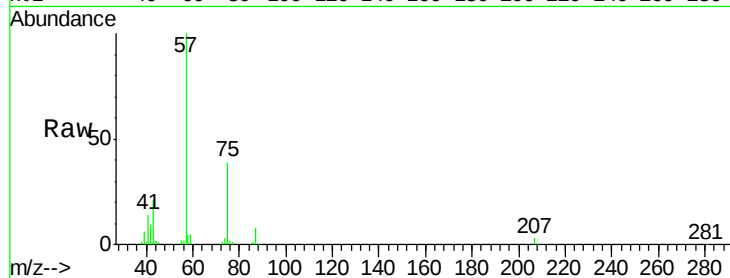
30-FEET

Tgt Ion: 43 Resp: 13019

Ion Ratio Lower Upper

43 100

58 18.2 26.5 79.5#



#62

4-Bromofluorobenzene

Concen: 51.72 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

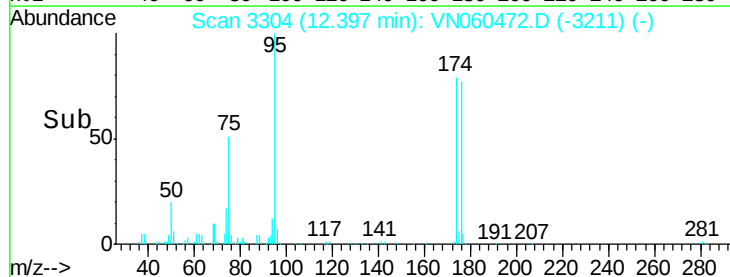
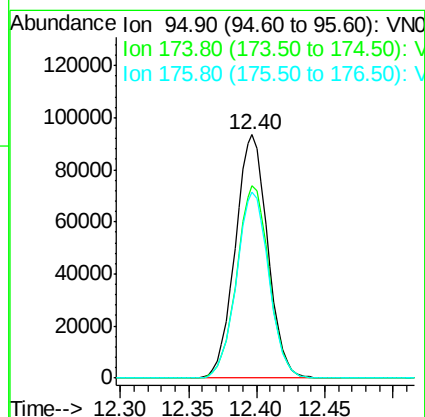
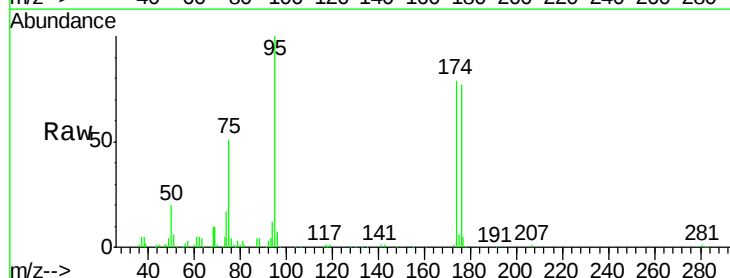
Tgt Ion: 95 Resp: 154067

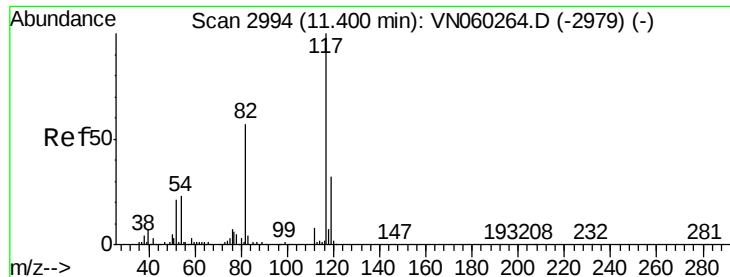
Ion Ratio Lower Upper

95 100

174 79.0 0.0 159.2

176 76.5 0.0 153.8

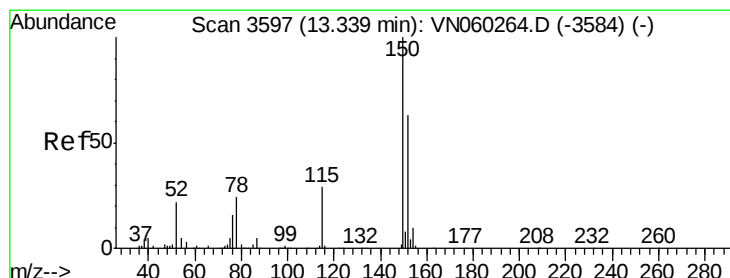
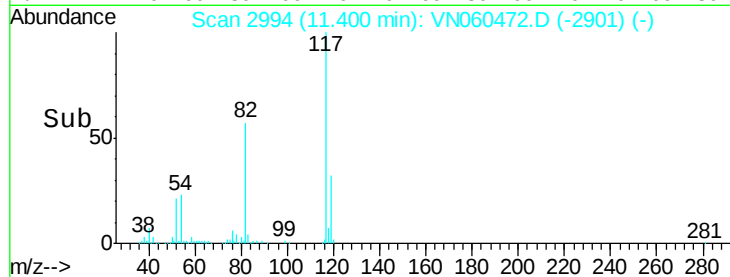
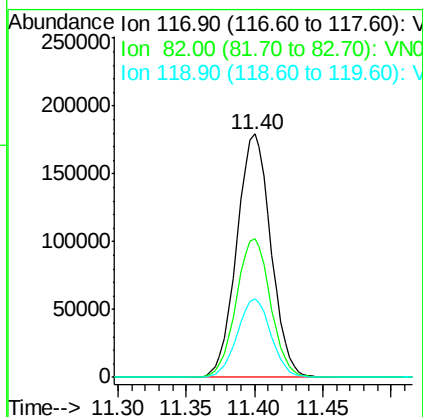
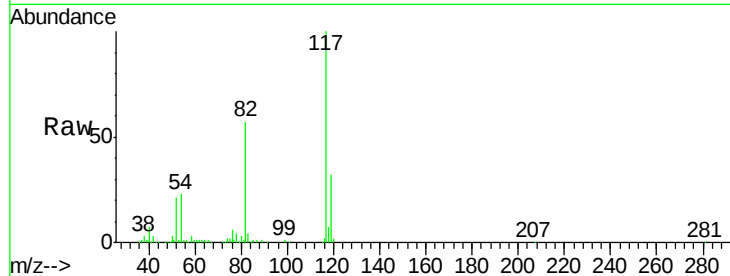




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060472.D
Acq: 12 Mar 2020 12:32

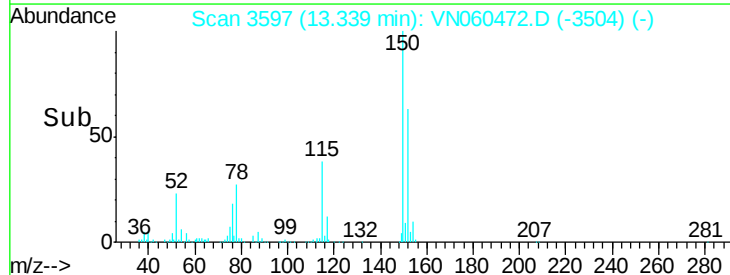
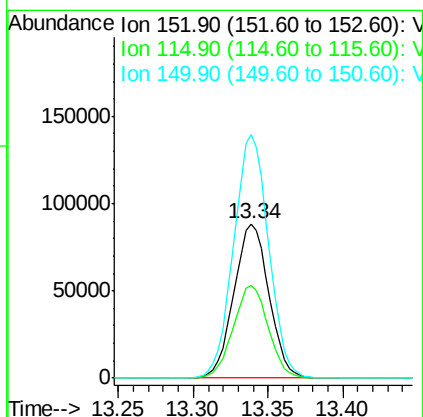
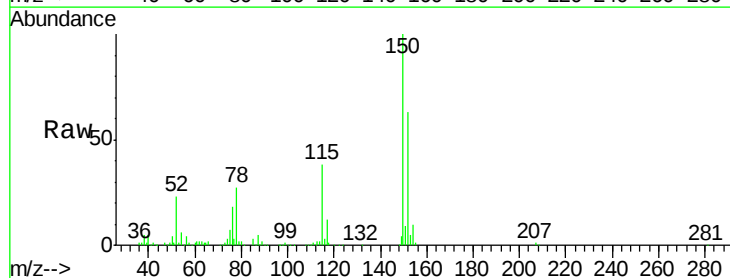
Instrument :
MSVOA_N
ClientSampled :
30-FEET

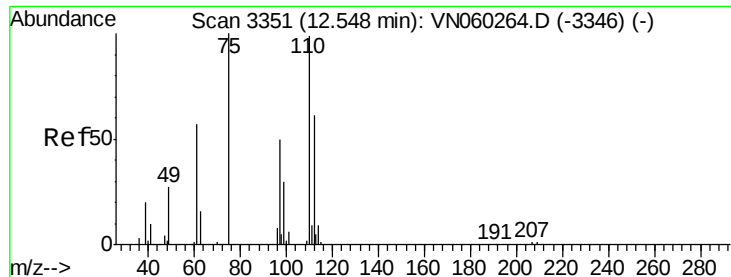
Tgt Ion:117 Resp: 311571
Ion Ratio Lower Upper
117 100
82 56.9 45.8 68.6
119 32.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN060472.D
Acq: 12 Mar 2020 12:32

Tgt Ion:152 Resp: 144012
Ion Ratio Lower Upper
152 100
115 60.0 30.0 90.0
150 157.5 0.0 349.6





#76

1,2,3-Trichloropropane

Concen: 24.50 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

Instrument :

MSVOA_N

ClientSampled :

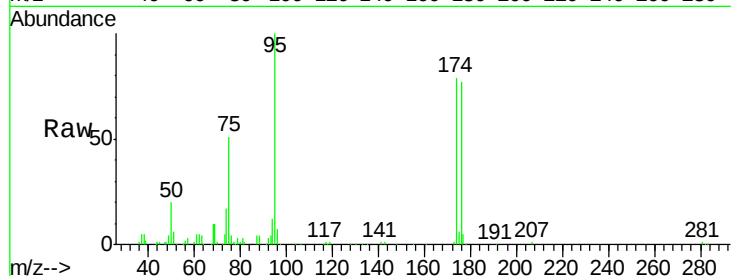
30-FEET

Tgt Ion: 75 Resp: 77405

Ion Ratio Lower Upper

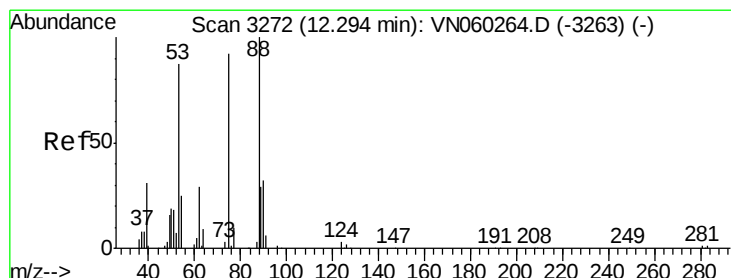
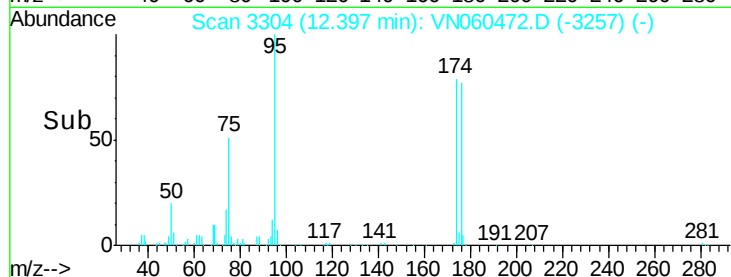
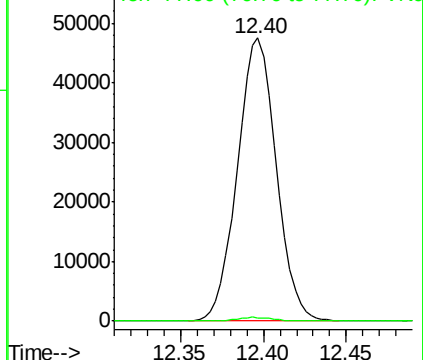
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 67.63 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060472.D

Acq: 12 Mar 2020 12:32

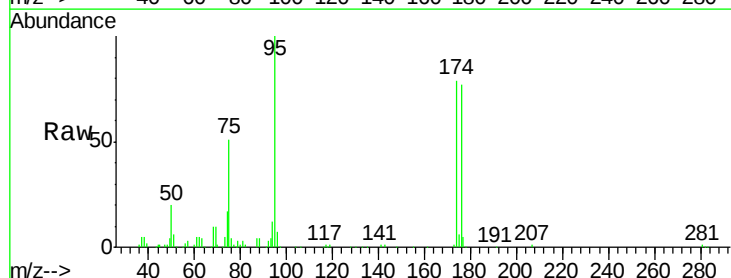
Tgt Ion: 75 Resp: 77405

Ion Ratio Lower Upper

75 100

53 0.0 73.8 110.6#

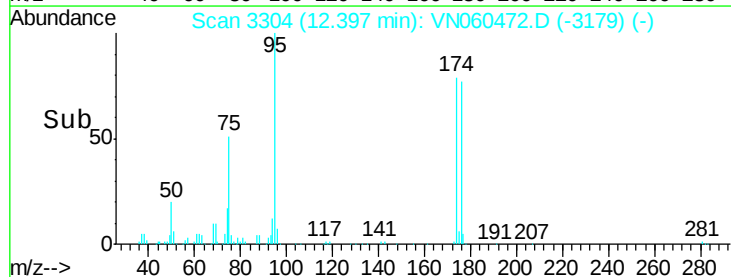
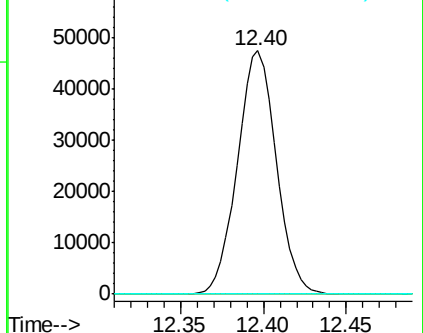
89 0.0 57.1 85.7#

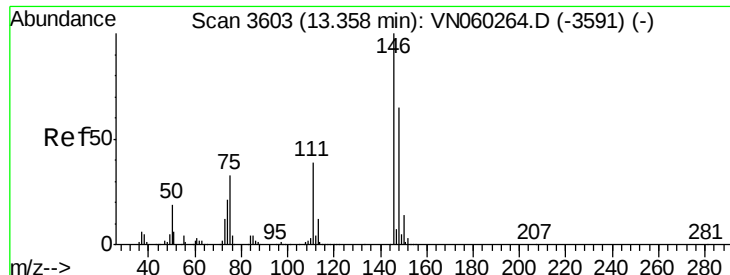


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

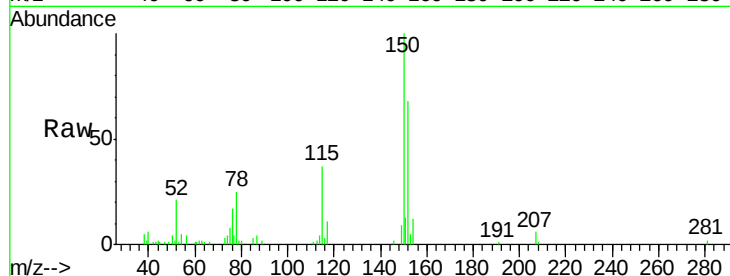




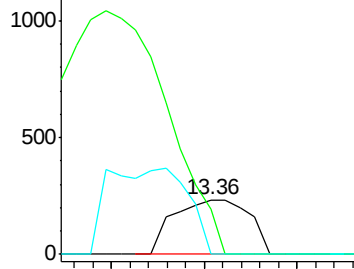
#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.36 min Scan# 3604
Delta R.T. 0.00 min
Lab File: VN060472.D
Acq: 12 Mar 2020 12:32

Instrument :
MSVOA_N
ClientSampled :
30-FEET

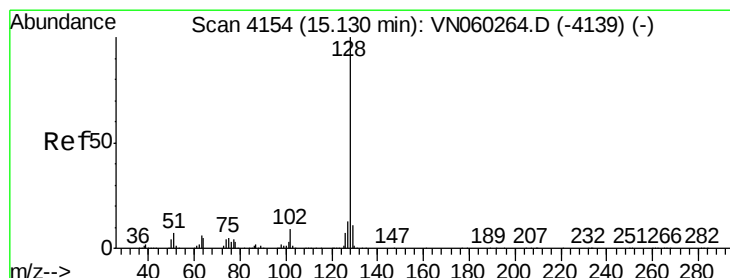
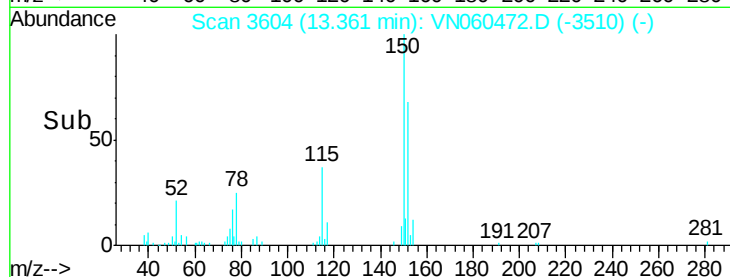
Tgt Ion:146 Resp: 267
Ion Ratio Lower Upper
146 100
111 0.0 19.8 59.4#
148 165.2 32.3 96.9#



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V

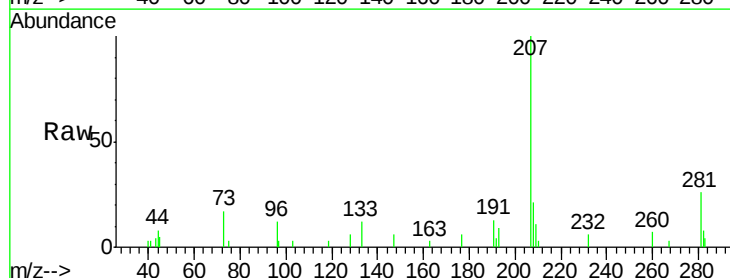


Time-->

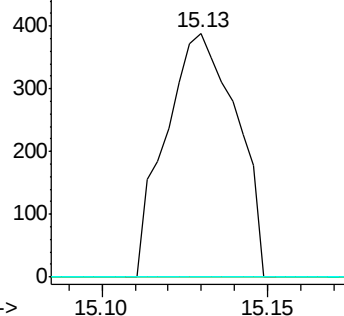


#95
Naphthalene
Concen: Below Cal
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060472.D
Acq: 12 Mar 2020 12:32

Tgt Ion:128 Resp: 577
Ion Ratio Lower Upper
128 100
127 0.0 10.4 15.6#
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



Time-->

